

GOLF BALL WITH DUAL CORE AND POLYURETHANE COVER

Abstract of the Disclosure

The present invention is directed to a golf ball comprising a dual
5 core assembly and a cover layer. The dual core comprises an interior spherical
center component formed from a thermoset polymeric material, a thermoplastic
polymeric material, or combinations thereof. The center component comprises
one or more density adjusting filler materials dispersed throughout the polymeric
material. The dual core also comprises a core layer disposed about the center
10 component, formed from a thermoset material, a thermoplastic material, or
combinations thereof. The present invention golf ball may further comprise an
outer core layer that surrounds the dual core. The cover layer is either a single
cover layer or a multi-layer cover assembly and preferably includes a
polyurethane material. It is preferred that the inner and outer cover layers differ
15 in hardness by at least 5 on the Shore D scale. The resulting multi-layered golf
ball of the present invention provides for enhanced distance without sacrificing
playability or durability when compared to known multi-layer golf balls.